

METHOD AND SYSTEM FOR PROVIDING LINK, NODE AND PG POLICY BASED ROUTING IN PNNI BASED ATM NETWORKS

ABSTRACT

5 A system and method for providing link, node, and PG policy based routing
in PNNI based ATM networks is disclosed. A computer implemented method
signals and routes a call in the network. Upon detecting the call's arrival, its service
request is accessed. Upon determining that the service request relates to an
attribute of a link, a routing path is sought that conforms to the service request, as by
10 accessing information relating to the routing path and comparing the information to the
service request. A conforming routing path is selected, and the call is routed via that
path. A computer implemented method advertises an attribute of links, nodes,
policies, etc. Data relating to the route's attribute can be provided to a node as a
GAT IE component of a PNNI signaling setup message for multi-peer group
15 networks, and advertised using PTSEs within a peer group.